

METHOD FOR RECOVERING HYDROGEN CHLORIDE FROM CHLORINE  
BASED WASTE AND USE OF RECOVERED HYDROGEN CHLORIDE

ABSTRACT OF THE DISCLOSURE

To provide a process for recovering high quality  
5 hydrogen chloride rationally with good economical  
efficiency, particularly hydrogen chloride with an elevated  
quality level to be provided as the feedstock for the  
oxychlorination reaction in producing dichloroethane and a  
vinyl chloride monomer from a hydrogen chloride gas to be  
10 generated by the combustion of chlorine based waste. To  
use a process for recovering hydrogen chloride from  
chlorine based waste comprises adding water and a reducing  
agent to an acid gas obtained by the combustion of chlorine  
based waste to effect reaction to obtain a crude hydrogen  
15 chloride aqueous solution having an oxidation-reduction  
potential of not higher than 900 mV and then, distilling  
the crude hydrogen chloride aqueous solution to obtain a  
purified hydrogen chloride gas.

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